



Subject index

Volume 73

Acetylaminofluorene, DNA damage, cell proliferation, neoplastic conversion, rat liver, 1

Alprazolam, surgery, stress, natural killer cell activity, cytotoxicity, 155

Alternative splicing, *p53* gene, Molt-4 cell line, 141

Aminoimidazoazaarenes, quinolines, quinoxalines, mutagenicity, 95

Angiogenesis, human salivary gland adenocarcinoma cells, metastasis, type IV collagenases, 85

Arachidonic acid, eicosanoid inhibitors, fatty acid, gastric cell, 65

Autoradiography, colorectal cancer, cytoskeletal-associated antigens, immunofluorescence, ulcerative colitis, 23

B(a)P-DNA adducts, chemoprevention, phenolics, β -carotene, α -tocopherol, 35

Benzo(a)pyrene, green tea polyphenols, chemoprevention, forestomach and lung tumorigenesis, diethylnitrosamine, 167

Benzo[a]pyrene, benz[j]aceanthrylene, tumor initiation, SENCAR mice, 73

Benz[j]aceanthrylene, tumor initiation, SENCAR mice, benzo[a]pyrene, 73

Caffeic acid, isothiocyanates, ellagic acid, glycyrrhetin acid, indole-3-carbinol, phytic acid, quercetin, D-saccharic acid 1,4-lactone, tamoxifen citrate, 127

Carcinogenesis inhibitors, organic sulfides, DNA methylation, diazomethane, 121

β -Carotene, chemoprevention, phenolics, α -tocopherol, B(a)P-DNA adducts, 35

CD56 positive cells, neuroblastoma, tumor-infiltrating lymphocytes, peripheral blood lymphocytes, cytotoxicity, 11

Cell membrane proteins, rhabdomyosarcoma cell line, HIV-1 receptor(s), 113

Cell proliferation, acetylaminofluorene, DNA damage, neoplastic conversion, rat liver, 1

Chemoprevention, green tea polyphenols, forestomach and lung tumorigenesis, diethylnitrosamine, benzo(a)pyrene, 167

Chemoprevention, phenolics, β -carotene, α -tocopherol, B(a)P-DNA adducts, 35

Chemoprevention, retinoids, RARs, epidermal cells, 41

Colorectal cancer, autoradiography, cytoskeletal-associated antigens, immunofluorescence, ulcerative colitis, 23

Cooked beef, urinary mutagenicity, *Lactobacillus casei*, 173

Cytoskeletal-associated antigens, autoradiography, colorectal cancer, immunofluorescence, ulcerative colitis, 23

Cytotoxicity, alprazolam, surgery, stress, natural killer cell activity, 155

Cytotoxicity, neuroblastoma, tumor-infiltrating lymphocytes, peripheral blood lymphocytes, CD56 positive cells, 11

D-saccharic acid 1,4-lactone, isothiocyanates, caffeic acid, ellagic acid, glycyrrhetin acid, indole-3-carbinol, phytic acid, quercetin, tamoxifen citrate, 127

Damnacanthal, *Morinda citrifolia*, Ras, 161

Daphnane ester, phorbol ester, protein kinase C, molecular modelling, tumour promoter, non-tumour promoter, 77

Diazomethane, organic sulfides, DNA methylation, carcinogenesis inhibitors, 121

Diethylnitrosamine, green tea polyphenols, chemoprevention, forestomach and lung tumorigenesis, benzo(a)pyrene, 167

Differentiation, retinoic acid, keratins, mammary adenocarcinoma cell lines, 191

9,10-Dihydrobenzo[a]pyrene, mixed-function oxidation, 135

DNA damage, acetylaminofluorene, cell proliferation, neoplastic conversion, rat liver, 1

DNA methylation, organic sulfides, carcinogenesis inhibitors, diazomethane, 121

Eicosanoid inhibitors, arachidonic acid, fatty acid, gastric cell, 65

Ellagic acid, isothiocyanates, caffeic acid, glycyrrhetin acid, indole-3-carbinol, phytic acid, quercetin, D-saccharic acid 1,4-lactone, tamoxifen citrate, 127

Epidermal cells, retinoids, chemoprevention, RARs, 41

Fatty acid, arachidonic acid, eicosanoid inhibitors, gastric cell, 65

Forestomach and lung tumorigenesis, green tea polyphenols, chemoprevention, diethylnitrosamine, benzo(a)pyrene, 167

Gastric cell, arachidonic acid, eicosanoid inhibitors, fatty acid, 65

Germ-line *p53* mutation, Li-Fraumeni syndrome, multiple primary cancers, tumor suppressor gene, 51

Glycyrrhetin acid, isothiocyanates, caffeic acid, ellagic acid, indole-3-carbinol, phytic acid, quercetin, D-saccharic acid 1,4-lactone, tamoxifen citrate, 127

Green tea polyphenols, chemoprevention, forestomach and lung tumorigenesis, diethylnitrosamine, benzo(a)pyrene, 167

Growth rate, retinoblastoma protein, multidrug resistance, 105

High malignant oral tumor (HMOT), poly(ADP-ribosyl)ation, poly(ADP-ribose) synthetase (PADPRS), low malignant oral tumor (LMOT), histone, non-histone chromosomal proteins (NHCP), 29

Histone, poly(ADP-ribosyl)ation, poly(ADP-ribose) synthetase (PADPRS), low malignant oral tumor (LMOT), high malignant oral tumor (HMOT), non-histone chromosomal proteins (NHCP), 29

HIV-1 receptor(s), rhabdomyosarcoma cell line, cell membrane proteins, 113

hsc73, *p53*, hsp72, 181

hsp72, *p53*, hsc73, 181

Human salivary gland adenocarcinoma cells, angiogenesis, metastasis, type IV collagenases, 85

Immunofluorescence, autoradiography, colorectal cancer, cytoskeletal-associated antigens, ulcerative colitis, 23

Indole-3-carbinol, isothiocyanates, caffeic acid, ellagic acid, glycyrrhetin acid, phytic acid, quercetin, D-saccharic acid 1,4-lactone, tamoxifen citrate, 127

Isothiocyanates, caffeic acid, ellagic acid, glycyrrhetin acid, indole-3-carbinol, phytic acid, quercetin, D-saccharic acid 1,4-lactone, tamoxifen citrate, 127

Keratins, retinoic acid, mammary adenocarcinoma cell lines, differentiation, 191

Lactobacillus casei, urinary mutagenicity, cooked beef, 173

Li-Fraumeni syndrome, germ-line *p53* mutation, multiple primary cancers, tumor suppressor gene, 51

Low malignant oral tumor (LMOT), poly(ADP-ribosyl)ation, poly(ADP-ribose) synthetase (PADPRS), high malignant oral tumor (HMOT), histone, non-histone chromosomal proteins (NHCP), 29

Mammary adenocarcinoma cell lines, retinoic acid, keratins, differentiation, 191

Meso-tetra (4N-methylpyridyl) porphine, pharmacokinetic properties, photodynamic therapy, photosensitizer, 59

Metastasis, angiogenesis, human salivary gland adenocarcinoma cells, type IV collagenases, 85

Mixed-function oxidation, 9,10-Dihydrobenzo[a]pyrene, 135

Molecular modelling, phorbol ester, daphnane ester, protein kinase C, tumour promoter, non-tumour promoter, 77

Molt-4 cell line, *p53* gene, alternative splicing, 141

Morinda citrifolia, damnacanthal, Ras, 161

Multidrug resistance, retinoblastoma protein, growth rate, 105

Multiple primary cancers, Li-Fraumeni syndrome, germ-line *p53* mutation, tumor suppressor gene, 51

Mutagenicity, aminoimidazoazaarenes, quinolines, quinoxalines, 95

Natural killer cell activity, alprazolam, surgery, stress, cytotoxicity, 155

Neoplastic conversion, acetylaminofluorene, DNA damage, cell proliferation, rat liver, 1

Neuroblastoma, tumor-infiltrating lymphocytes, peripheral blood lymphocytes, CD56 positive cells, cytotoxicity, 11

Non-histone chromosomal proteins (NHCP), poly(ADP-ribosyl)ation, poly(ADP-ribose) synthetase (PADPRS), low malignant oral tumor (LMOT), high malignant oral tumor (HMOT), histone, 29

Non-tumour promoter, phorbol ester, daphnane ester, protein kinase C, molecular modelling, tumour promoter, 77

Organic sulfides, DNA methylation, carcinogenesis inhibitors, diazomethane, 121

Orotic acid, ribonucleotide reductase, primary hepatocytes, 149

p53, hsc73, hsp72, 181

p53 gene, Molt-4 cell line, alternative splicing, 141

Peripheral blood lymphocytes, neuroblastoma, tumor-infiltrating lymphocytes, CD56 positive cells, cytotoxicity, 11

Pharmacokinetic properties, meso-tetra (4N-methylpyridyl) porphine, photodynamic therapy, photosensitizer, 59

Phenolics, chemoprevention, β -carotene, α -tocopherol, B(a)P-DNA adducts, 35

Phorbol ester, daphnane ester, protein kinase C, molecular modelling, tumour promoter, non-tumour promoter, 77

Photodynamic therapy, meso-tetra (4N-methylpyridyl) porphine, pharmacokinetic properties, photosensitizer, 59

Photosensitizer, meso-tetra (4N-methylpyridyl) porphine, pharmacokinetic properties, photodynamic therapy, 59

Phytic acid, isothiocyanates, caffeic acid, ellagic acid, glycyrrhetin acid, indole-3-carbinol, quercetin, D-saccharic acid 1,4-lactone, tamoxifen citrate, 127

Poly(ADP-ribose) synthetase (PADPRS), poly(ADP-ribosyl)ation, low malignant oral tumor (LMOT), high malignant oral tumor (HMOT), histone, non-histone chromosomal proteins (NHCP), 29

Poly(ADP-ribosyl)ation, poly(ADP-ribose) synthetase (PADPRS), low malignant oral tumor (LMOT), high malignant oral tumor (HMOT), histone, non-histone chromosomal proteins (NHCP), 29

Primary hepatocytes, orotic acid, ribonucleotide reductase, 149

Protein kinase C, phorbol ester, daphnane ester, molecular modelling, tumour promoter, non-tumour promoter, 77

Quercetin, isothiocyanates, caffeic acid, ellagic acid, glycyrrhetin acid, indole-3-carbinol, phytic acid, D-saccharic acid 1,4-lactone, tamoxifen citrate, 127

Quinolines, aminoimidazoazaarenes, quinoxalines, mutagenicity, 95

Quinoxalines, aminoimidazoazaarenes, quinolines, mutagenicity, 95

RARs, retinoids, chemoprevention, epidermal cells, 41

Ras, damnacanthal, *Morinda citrifolia*, 161

Rat liver, acetylaminofluorene, DNA damage, cell proliferation, neoplastic conversion, 1

Retinoblastoma protein, multidrug resistance, growth rate, 105

Retinoic acid, keratins, mammary adenocarcinoma cell lines, differentiation, 191

Retinoids, chemoprevention, RARs, epidermal cells, 41

Rhabdomyosarcoma cell line, cell membrane proteins, HIV-1 receptor(s), 113

Ribonucleotide reductase, orotic acid, primary hepatocytes, 149

SENCAR mice, benz[*J*]aceanthrylene, tumor initiation, benzo[*a*]pyrene, 73

Stress, alprazolam, surgery, natural killer cell activity, cytotoxicity, 155

Surgery, alprazolam, stress, natural killer cell activity, cytotoxicity, 155

Tamoxifen citrate, isothiocyanates, caffeic acid, ellagic acid, glycyrrhetic acid, indole-3-carbinol, phytic acid, quercetin, D-saccharic acid 1,4-lactone, 127

α -Tocopherol, chemoprevention, phenolics, β -carotene, B(a)P-DNA adducts, 35

Tumor initiation, benz[*J*]aceanthrylene, SENCAR mice, benzo[*a*]pyrene, 73

Tumor suppressor gene, Li-Fraumeni syndrome, germ-line *p53* mutation, multiple primary cancers, 51

Tumor-infiltrating lymphocytes, neuroblastoma, peripheral blood lymphocytes, CD56 positive cells, cytotoxicity, 11

Tumour promoter, phorbol ester, daphnane ester, protein kinase C, molecular modelling, non-tumour promoter, 77

Type IV collagenases, angiogenesis, human salivary gland adenocarcinoma cells, metastasis, 85

Ulcerative colitis, autoradiography, colorectal cancer, cytoskeletal-associated antigens, immunofluorescence, 23

Urinary mutagenicity, cooked beef, *Lactobacillus casei*, 173

**Author index****Volume 73**

Adamson, R.H.	95	Hayatsu, T.	173
Agarwal, R.	167	Higgins, P.J.	23
Agarwal, S.C. 135		Hiramatsu, T.	161
Aitken, A.	77	Hirsch, I.	113
Azuma, M.	85	Imoto, M.	161
Babich, H.	127	Inoue, A.	181
Balboa, J.L. 155		Ishikawa, M.	181
Barbara, L.	23	Ivanyi, D.	191
Benzair, A.-B. 113		Jackson, L.	135
Bhide, S.V.	35	Jori, G.	59
Biasco, G.	23	Kamogashira, T.	85
Borenfreund, E.	127	Kataoka, Y.	11
Brandi, G.	23	Katiyar, S.K. 167	
Brar, R.S. 121		Kikuchi, K.	181
Bull, A.W. 121		Koyano, T.	161
Calafat, J.	191	Kudo, R.	181
Chermann, J.-C. 113		Lahiri, M.	35
Chow, V.T.K. 141		Lambert, G.R. 135	
Coni, P.	149	Lee, W.-P. 105	
Das, B.R.	29	Lipkin, M.	23
Davis, C.D.	95	Manjeshwar, S.	149
Dawson, M.I.	41	Mansbridge, J.N.	41
Denizot, Y.	65	Matsumura, T.	11
van Doornewaard, G.	191	Miglioli, M.	23
Evans, A.T.	77	Minke, J.	191
Evans, F.J.	77	Mizoguchi, H.	51
Fernández-Rial, J.C. 155		Mukhtar, H.	167
Freire-Garabal, M.	155	Najid, A.	65
Fukui, K.	85	Nesnow, S.	73
Gebhardt, R.	1	Nesnow, S.	135
Gold, A.	73	Nihei, T.	181
González-Bahillo, J.	155	Nishikawa, R.	51
Gordge, P.C.	77	Nishino, N.	85
Groeneveld, E.	191	Núñez, M.J. 155	
Hassan, N.M.	77	Ochiai, A.	51
Hayatsu, H.	173	Ogino, K.	85

Padgett, W.T.	135	Slaga, T.J.	73
Paganelli, G.M.	23	Snyderwine, E.G.	95
Pichiri-Coni, G.	149	Stern, A.	127
Poirier, M.C.	1	Sugimoto, T.	11
Quek, H.H.	141	Sugimura, H.	51
Rajalakshmi, S.	149	Sugimura, T.	51
Rao, P.M.	149	Suing, K.D.	41
Rey-Méndez, M.	155	Suzuki, T.	85
Rigaud, M.	65	Takahashi, S.	181
Rudd, C.J.	41	Tamatani, T.	85
Ryves, W.J.	77	Tock, E.P.C.	141
Sagae, S.	181	Tokumo, K.	1
Sameshima, Y.	51	Umemura, T.	1
Sangaiah, R.	73	Umezawa, K.	161
Santucci, R.	23	Vallejo, L.G.	155
Sarma, D.S.R.	149	Villanueva, A.	59
Sato, M.	85	Williams, G.M.	1
Sato, N.	181	Yamamoto, H.	51
Sawada, T.	11	Yamamoto, S.	11
Sharma, P.	77	Yokota, J.	51
Shiseki, M.	51	Yoshida, H.	85
Shitara, N.	51		
Sirma, H.	1		

